BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Name of Work:Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th phase Doddabettahalli village, Kaveri layout and areas in ward No-03 and 04 of yelahanka Division (Package No11)

EIRL

Name of Work:	Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th p Doddabettahalli village, Kaveri layout and surrounding areas in ward No-03 and 04 of yelahanka Division (Package No11)
Estimate Amount:-	Rs. 9,00,00,000.00/-
Name of Contractor:-	Sri Yogesh M/s Nandi Construction
Approved amount:-	78708557.00
Tender premium:-	4.95% above

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rate of the division, if not, data shee should accompany the rate list.
1	2	3	4	5	6	7	8	9	10
E1	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all	Cum	353.10	5505.64	1944056.00	ADDITIONAL ITEM	No	General Savings	P-13 I No-27.18, P No-222, KPWD SR 2018-19
E2	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	72.80	1019.72	74236.00	ADDITIONAL ITEM	No	General Savings	I No-5.26.1.1, P No-27, KPWD SR 2018-19
E3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. Specifications. No. KSRB 1000, 2300-do-450mm. dia	M	10.00	2737.98	27380.00	ADDITIONAL ITEM	No	General Savings	I No-34.6.1, P No-254, KPWD SR 2018-19
E4	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.	Qtl	7.69	7618.22	58607.00	ADDITIONAL ITEM	No	General Savings	I No-19.97, P No-150, KPWD SR 2018-19
				TOTAL ERIL AMOUNT	2104279.00				

Note: Percentage of Extra Item over the sanctioned Estimate=Extra item amount over the approved amount/Amount Put to tender x 100

Total cost as per Approved Amount, Rs =	78708557.00
Total cost of EIRL Amount, Rs=	2104279.00
Percentage of Worslip =	EIRL Amount / Approved Amount X 100
% of EIRL =	2.67

Contractor

Assistant Engineer

Assistant Executive Engineer

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.

Executive Engineer

specification NO.

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

e of Work: Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th phase Doddabettahalli village, Kaveri layout and surr areas in ward No-03 and 04 of yelahanka Division (Package No11)

imate Amount:- Rs. 9,00,00,000.00/-

me of Contractor:- Sri Yogesh M/s Nandi Construction

pproved amount:- 78,708,557.00

Tender premium:- 4.95% above

Sl. No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference	
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	1617.35	116.81	188923.00	0.00	0.00	116.81	0.00	0.00	116.81	0.00	0.00	0.00	0.00	188923.00
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	6221.22	144.62	899713.00	6207.33	6207.33	144.62	897704.00	0.00	144.62	0.00	6207.33	897704.00	0.00	2009.00
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:4:8 with OPC @ 180kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, In foundation mechanically mixed, placed in foundation and	Cum	885.20	5897.97	5220884.00	1040.02	1040.02	5897.97	6133999.00	0.00	5897.97	0.00	1040.02	6133999.00	913115.00	0.00
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 330kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc, complete excluding cost of steli as per MORTH specification NO. 1500, 1700, 2200. Including cost of materials, labour, HOM complete	Cum	1694.86	7790.43	13203689.00	1833.87	1833.87	7790.43	14286615.00	0.00	7790.43	0.00	1833.87	14286615.00	1082926.00	0.00
5	KSRB 4.9.2 : Providing T,M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials,	Tonne	102.01	84113.86	8580455.00	111.75	111.75	84113.86	9399393.00	0.00	84113.86	0.00	111.75	9399393.00	818938.00	0.00
6	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:2:4 with OPC @ 240kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.87cum and fine aggregates @ 0.53cum, In foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all	Cum	12.84	6328.02	81252.00	17.29	16.05	6328.02	101565.00	1.24	6328.02	7847.00	17.29	109412.00	28160.00	0.00
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 100mm thick and Finishing cutting , Including form work, cost of all materials, labour,hire charges of machinery,loading,unloading,lead and	Sqm	4468.20	2452.68	10959065.00	5000.48	5000.48	2452.68	12264566.00	0.00	2452.68	0.00	5000.48	12264566.00	1305501.00	0.00
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and Jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transporation etc ,complete.As per Engineer Incharge.	Sqm	37.80	5686.19	214938.00	0.00	0.00	5686.19	0.00	0.00	5686.19	0.00	0.00	0.00	0.00	214938.00
9	Removing & Refixing of Kerb Stone	M	1531.80	110.13	168698.00	153.00	153.00	110.13	16851.00	0.00	110.13	0.00	153.00	16851.00	0.00	151847.00
10	Providing and Fixing pre cast Solid Cement Concrete Kerb stone made made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively	nos	4515.00	453.89	2049314.00	11773.00	5643.75	453.89	2561642.00	6129.25	453.89	2782006.00	11773.00	5343648.00	3294334.00	0.00

specification NO. 1500, 1700,

	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference	
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings
	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19
	L. Painting two coats after filling the surface with synthetic ... it in approved shades on new plastered concrete surfaces, ... materials, labour complete as per specifications	Sqm	1069.20	89.00	95159.00	1635.23	1336.50	89.00	118949.00	298.73	89.00	26587.00	1635.23	145536.00	50377.00	0.00
12	KSRRB M400-18. Construction of Median and Island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other structures, spread, graded and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407	Cum	192.15	194.68	37408.00	0.00	0.00	194.68	0.00	0.00	194.68	0.00	0.00	0.00	0.00	37408.00
13	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby	Sqm	640.50	1171.43	750301.00	2353.65	800.63	1171.43	937877.00	1553.02	1171.43	1819255.00	2353.65	2757132.00	2006831.00	0.00
14	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3	Sqm	7220.70	56.82	410281.00	8601.83	8601.83	56.82	488757.00	0.00	56.82	0.00	8601.83	488757.00	78476.00	0.00
15	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification.	Cum	7493.82	56.36	422352.00	1216.34	1216.34	56.36	68554.00	0.00	56.36	0.00	1216.34	68554.00	0.00	353798.00
16	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	18154.90	6.67	121094.00	11642.66	11642.66	6.67	77657.00	0.00	6.67	0.00	11642.66	77657.00	0.00	43437.00
17	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller	Cum	2755.43	2093.67	5768962.00	1746.40	1746.40	2093.67	3656381.00	0.00	2093.67	0.00	1746.40	3656381.00	0.00	2112581.00
18	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared	Cum	4252.54	2100.34	8931780.00	2470.11	2468.08	2100.34	5183816.00	2.03	2100.34	4261.00	2470.11	5188077.00	0.00	3743703.00
19	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	19029.00	35.60	677433.00	10978.46	10970.62	35.60	390555.00	7.84	35.60	280.00	10978.46	390835.00	0.00	286598.00
20	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision	Sqm	10433.67	5.56	58012.00	15284.27	13042.09	5.56	72515.00	2242.19	5.56	12467.00	15284.27	84982.00	26970.00	0.00
21	KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with	Cum	1245.34	7653.79	9531571.00	883.25	883.25	7653.79	6760239.00	0.00	7653.79	0.00	883.25	6760239.00	0.00	2771332.00
22	KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications.	Sqm	36499.84	13.35	487273.00	17665.10	17665.10	13.35	235830.00	0.00	13.35	0.00	17665.10	235830.00	0.00	251443.00
23	KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver	Cum	883.88	8967.62	7926300.00	706.60	706.60	8967.62	6336548.00	0.00	8967.62	0.00	706.60	6336548.00	0.00	1589752.00

specification NO. --

	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference	
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings
	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19
	KSRBB M300-13.Road Marking with Hot Applied Thermoplastic compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass	Sqm	1090.65	477.25	520513.00	734.36	734.36	477.25	350474.00	0.00	477.25	0.00	734.36	350474.00	0.00	170039.00
25	KSRBB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(AcryloniteDe Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in	Nos	717.00	374.90	268804.00	712.00	712.00	374.90	266929.00	0.00	374.90	0.00	712.00	266929.00	0.00	1875.00
26	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1. Aggregate gradation	Cum	49.98	4262.32	213031.00	65.99	62.48	4262.32	266289.00	3.51	4262.32	14978.00	65.99	281267.00	68236.00	0.00
27	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2026, with Superplastizer at 3 lts conforming to IS 9203-2008. mixed in a concrete mixer of not less than 0.6 cum capacity	Cum	74.97	5913.20	443313.00	98.98	93.71	5913.20	554141.00	5.27	5913.20	31169.00	98.98	585310.00	141997.00	0.00
28	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH-100/ Chapter	Cum	6221.22	76.84	478039.00	6210.25	6210.25	76.84	477196.00	0.00	76.84	0.00	6210.25	477196.00	0.00	843.00
	Sub Total				78708557.00				71905042.00			4698850.00		76603892.00	9815861.00	11920526.00
	EIRL															
E1	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.	Cum								353.10	5505.64	1944056.00	353.10	1944056.00	1944056.00	
E2	KSRB S-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 1.No.5.26.1, Page no 27	Sqm								72.80	1019.72	74236.00	72.80	74236.00	74236.00	
E3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. Specifications. No. KSRB 1000, 2300-do-450mm. dia	M								10.00	2737.98	27380.00	10.00	27380.00	27380.00	
E4	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel gills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid seperately complete as per specifications.	Qtl								7.69	7618.22	58607.00	7.69	58607.00	58607.00	
	Sub Total													78708171.00	11920140.00	11920526.00
	Miscellaneous & Rounding off													405.31	405.31	
	Total				78708557.00									78708557.00	11920545.31	11920526.00

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer

Specification NO. 1500,